

Serial No.: 10/010,721

Examiner: A. Psitos

Title: RELIEF DIFFRACTION GRATING BODY, AND OPTICAL PICK-UP AND OPTICAL INFORMATION APPARATUS
USING THE SAME

Amendments to the Specification:

Please replace the paragraph beginning on line 21 of page 7 with the following amended paragraph:

Furthermore, it is preferable that a material of the base material having the refractive index n_1 is at least one material selected from the group consisting of Ta_2O_5 , TiO_2 , ZrO_2 , Nb_2O_3 , ZnS , $LiNbO_3$ and $LiTaO_3$. With the use of the above-mentioned materials, it is possible to obtain a high refractive index n_1 as high as 1.9 or more.

Please replace the paragraph beginning on line 28 of page 8 with the following amended paragraph:

Furthermore, it is preferable that a material of the single base material is at least one material selected from the group consisting of Ta_2O_5 , TiO_2 , ZrO_2 , Nb_2O_3 , ZnS , $LiNbO_3$ and $LiTaO_3$. With the use of the above-mentioned materials, it is possible to obtain a high refractive index n_1 as high as 1.9 or more.

Please replace the paragraph beginning on line 26 of page 26 with the following amended paragraph:

In the above, as the material with high refractive index, the case of using Ta_2O_5 was explained. However, it is to be noted that the material is not limited to Ta_2O_5 and other materials also can be used. For example, TiO_2 (refractive index: about 2.3), ZrO_2 (refractive index: about 1.95), Nb_2O_3 (refractive index: about 2.3), ZnS (refractive index: about 2.3), $LiNbO_3$ (refractive index: about 2.0), $LiTaO_3$ (refractive index: about 1.9 to 2.0), and the like may be used.